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FROM: Gwilym J.O. Atwell

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OF PAGES (INCLUDING COVER):18

FILE NAME: ISIS0001-100

DATE: October 23, 2003

FILE #: 140129

RECIPIENT(S)	PHONE	FAX
USPTO		703-872-9306

MESSAGE: OFFICIAL FAX!

Serial No.: 10/664,639 Filing Date: September 18, 2003

Attachments: Transmittal form (1 sheet)

Fee Transmittal (w/auth to charge deposit acct) (dupl)

Preliminary Amendment

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
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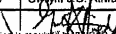
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TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/664,639	
	Filing Date	September 18, 2003	
	First Named Inventor	Vickers et al.	
	Art Unit	Not yet determined	
	Examiner Name	Not yet determined	
Total Number of Pages in This Submission	17	Attorney Docket Number	ISIS0001-100(CORE0027US)

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below)
Remarks Authorization to Charge Deposit Account (See Fee Transmittal):		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Gwilym J.O. Atwell, PTO Reg. No. 45,449
Signature	
Date	October 23, 2003

CERTIFICATE OF FACSIMILE TRANSMISSION	
I hereby certify that this correspondence is being facsimile transmitted to 703.872.9305, to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1460 on the date shown below.	
Typed or printed name	Gwilym J.O. Atwell
Signature	
Date	October 23, 2003

This collection of information is required by 37 CFR 1.56. The information is required to obtain or retain a benefit by the entity which is in the (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, keeping, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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FEE TRANSMITTAL for FY 2004

Effective 10/1/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 36.00

Complete if Known

Application Number 10/554,839
 Filing Date September 16, 2003
 First Named Inventor Vickers et al.
 Examiner Name Not yet determined
 Art Unit Not yet determined
 Attorney Docket No. ISI/5001-100(CORE)02UTS/(140129)

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number 501275

Deposit Account Name Citicorp O'Connor

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Credit any overpayments
☒ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity			
Fee Code (5)	Fee Code (9)	Fee Description	Fee Paid	
1001	770	2001 365 Utility filing fee		
1002	340	2002 170 Design filing fee		
1003	850	2003 255 Plant filing fee		
1004	770	2004 385 Release filing fee		
1005	160	2005 80 Provisional filing fee		

SUBTOTAL (1)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

	Extra Claims	Fee From Infringement	Fee Paid
Total Claims	84 - 62 = 22	X 19 = 418	418
Independent Claims	12 - 12 = 0	X 0 = 0	0
Multiple Dependent Claims		X 0 = 0	0

Large Entity Small Entity

Fee Code (5)	Fee Code (9)	Fee Description	Fee Paid
1202	18	2202 9 Claims in excess of 20	
1201	88	2201 43 Independent claims in excess of 3	
1203	230	2203 145 Multiple dependent claim, if not paid	
1204	88	2204 43 Reissue independent claims over original patent	
1205	18	2205 9 Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$)

**For number automatically paid if greater. For Reissuance, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Small Entity			
Fee Code (5)	Fee Code (9)	Fee Description	Fee Paid	
1081	130	2051 65 Surcharge - late filing fee or oath		
1082	50	2052 25 Surcharge - late provisional filing fee or cover sheet		
1083	130	1063 130 Non-English specification		
1812	2,530	1812 2,530 For filing a request for reexamination		
1804	920*	1804 920* Requesting publication of BRI prior to Examiner action		
1805	1,840*	1805 1,840* Requesting publication of BRI after Examiner action		
1251	110	2251 55 Extension for reply within first month		
1252	420	2252 210 Extension for reply within second month		
1253	850	2253 476 Extension for reply within third month		
1254	1,490	2254 740 Extension for reply within fourth month		
1255	2,010	2255 1,005 Extension for reply within fifth month		
1401	330	2401 165 Notice of Appeal		
1402	300	2402 155 Filing a brief in support of an appeal		
1403	290	2403 145 Request for oral hearing		
1451	1,510	1451 1,510 Petition to institute a public use proceeding		
1452	110	2452 55 Petition to revive - unavoidable		
1453	1,230	2453 605 Petition to revive - unintentional		
1601	1,530	2601 665 Utility issue fee (or release)		
1602	480	2602 240 Design issue fee		
1503	840	2503 320 Plant issue fee		
1450	120	1450 130 Petitions to the Commissioner		
1607	50	1607 50 Processing fee under 37 CFR 1.17 (a)		
1600	160	1600 160 Submission of Information Disclosure Sheet		
8031	40	8031 40 Recording each patent assignment per properly (times number of properties)		
1909	770	2309 385 Filing a submission after final rejection (37 CFR § 1.123(b))		
1819	770	2819 385 For each additional invention to be examined (37 CFR § 1.120(d))		
1801	770	2801 365 Request for Continued Examination (RCE)		
1802	800	1802 800 Request for expedited examination of a design application		

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

SUBMITTED BY

Name (Print/Type) Guylin J. O. Smith
 Signature *[Signature]*
 Registration No. (Attorney/Agent) 45,449

Complete if applicable

Telephone 215 665 8004
 Date October 23, 2003

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 36.00

Complete If Known

Application Number 10/864,830
 Filing Date September 16, 2003
 First Named Inventor Vickers et al.
 Examiner Name Not yet determined
 Art Unit Not yet determined
 Attorney Docket No. 19IS0001-100(CORE0027US)(140129)

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money ☐ Other ☐ None
☒ Deposit Account

Deposit Account Number 90-1276
 Deposit Account Name Cozen O'Connor

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments
☒ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Small Entity	Fee Code	Fee Code	Fee Description	Fee Paid
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	830	2003	365	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1)

(8) 0

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	84	- 82	= 2	Extra Claims	X 18	= 36	Fee Paid
Independent Claims	12	- 12	= 0	Claims in excess of 20	X	= 0	
Multiple Dependent Claims				Independent claims in excess of 3	X	= 0	

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Code	Fee Code	Fee Description	Fee Paid
1202	18	2202	9	Claims in excess of 20	
1201	80	2201	43	Independent claims in excess of 3	
1203	290	2203	145	Multiple dependent claim, if not paid	
1204	88	2204	43	Release independent claims over original patent	
1205	18	2205	9	Release claims in excess of 20 and over original patent	

SUBTOTAL (2)

(8) 36.00

*For number previously paid, if greater. For Release, see above

FEE CALCULATION (continued)

Large Entity	Small Entity	Fee Code	Fee Code	Fee Description	Fee Paid
1061	130	2061	68	Surcharge - late filing fee or oath	
1062	60	2062	29	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,320	1012	2,320	For filing a request for reexamination	
1804	820*	1804	820*	Requesting publication of SIR prior to Examiner action	
1806	1,840*	1806	1,840*	Requesting publication of SIR after Examiner action	
1261	110	2261	68	Extension for reply within first month	
1262	420	2262	210	Extension for reply within second month	
1263	950	2263	475	Extension for reply within third month	
1264	1,480	2264	740	Extension for reply within fourth month	
1265	2,010	2265	1,005	Extension for reply within fifth month	
1401	330	1401	165	Notice of Appeal	
1402	350	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1461	1,610	1461	1,610	Petition to institute a public use proceeding	
1462	110	2462	55	Petition to revoke - unavoidable	
1463	1,330	2463	665	Petition to revoke - unintentional	
1501	1,350	2501	665	Utility issue fee (or release)	
1502	480	2502	240	Design issue fee	
1503	840	2503	320	Plant issue fee	
1465	130	1465	130	Petitions to the Commissioner	
1807	60	1807	60	Processing fee under 37 CFR 1.17 (s)	
1808	180	1808	180	Submission of Information Disclosure Sheet	
8021	40	8021	40	Recording each patent assignment per property (limits number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.128(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.128(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(3)

SUBMITTED BY

Name (Print/Type) *Gregory J. G. Jones*
 Signature *Gregory J. G. Jones*

Registration No. (Attorney/Agent)

45,448

Complete (if applicable)

Telephone 215.665.8804
 Date October 23, 2003

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DOCKET NO.: ISIS0001-100 (CORE0027US)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: **Vickers et al.**

Serial No.: **10/664,639**

Group Art Unit: **Not Yet Determined**

Filed: **September 18, 2003**

Examiner: **Not Yet Determined**

Title: **EFFICIENT REDUCTION OF TARGET RNA'S BY SINGLE- AND
DOUBLE-STRANDED OLIGOMERIC COMPOUNDS**

Certificate of Facsimile Transmission

I hereby certify that this paper is being facsimile transmitted to the Patent and Trademark Office to facsimile number (703) 872-9306 on the date shown below.

On **October 23, 2003**



William John Owen Atwell, Reg. No. 45,449

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

PRELIMINARY AMENDMENT

Prior to examination on the merits, Applicants respectfully request that the application be amended as follows.

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